PIANC MDTP Pre-Congress Workshop

Sunday 1 June 2014

In occasion of the

PIANC WORLD CONGRESS 2014

Modern City Marinas

Program of the Workshop

update 06-1305

Introduction

This workshop follows the model developed successfully with the PIANC Marina Designers Training Program by presenting key international advances in design of recreational navigation infrastructures, mooring and sheltering, from small boats to large vessels (super/mega yachts).

Modern city marinas can offer an opportunity for urban waterfronts and can add value to real estate enriching urban landscapes and help in maintaining a good environmental quality, especially in abandoned areas.

The short course will be held with the approach of “expert professionals speaking to professionals”.

An exercise of planning and design of a modern city marina will be presented to the course attendants and developed together.

The group of expert trainers will "play the role" of a typical working group meeting, joined at work on a specific project case, carrying out the job with the contribution of the attendants.

During the development of the exercise, the most important aspects of the “marina designer” discipline (engineering, architecture, landscaping, environment, urbanism, management) will be underlined and discussed.

This will be at the same time: knowledge, exercise, networking. All in a single day. And this will be much more interesting for all the participants!

The short course will touch these main themes:

- City Marina Planning and Design
- Environmental aspects in marina design
- Marina successful management
- Mega Yachts Facilities
- Dry Stack Storage
- Land Facilities
- Construction and prefabricated elements

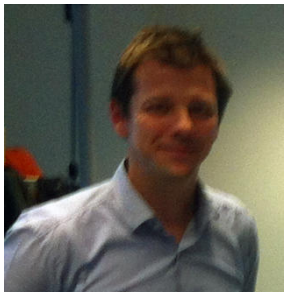
Marina Designer Training Program

Trainers

Esteban Biondi – AppliedTM - USA

Elio Ciralli – Progetti e Opere srl - Italy

Jack Cox – SmithGroupJJR - USA



Michiel de Jong - Royal HaskoningDHV
The Nederlands

Francisco E. Lefler – FCC Construcción
Spain

Lars Odhe - SF Marina - Sweden

The course has been assembled by the PIANC RecCom MDTP Committee, directed by Elio Ciralli, chairman of the PIANC Recreational Navigation Commission (RecCom).

The Trainers confirmed are:

- Esteban Biondi, Applied Technology and Management, USA - ebiondi@appliedtm.com
- Elio Ciralli, Progetti e Opere srl, Italy – elio.ciralli@cirallistudio.com
- Jack Cox, SmithGroupJJR, USA - Jack.Cox@smithgroupjjr.com
- Michiel De Jong, Royal HaskoningDHV, The Netherlands - michiel.de.jong@rhdhv.com
- Francisco Esteban Lefler – FCC, Spain - FEsteban@fcc.es
- Lars Odhe – SF Marina, Sweden - lg@sfmarina.se

Other experts could join the above list of the trainers.

The interaction with the course attendants will be strongly facilitated.

Program of the workshop

8:00 Welcome and general introduction, *Ciralli*
8:15 Planning a marina, *Ciralli*
8:50 Market study, feasibility study and surveys, *Biondi*
9:25 Coastal engineering aspects, *Cox*
10:00 break
10:15 Construction issues and sea works costs assessment, *Lefler*
10:50 Prefabricated elements, new materials, *Odhe*
11:25 Landside layout, architecture and landscaping, *De Jong*

12:00 Work lunch

13:00 Assisted exercitation, *trainers and class*
17:00 Conclusion of the workshop

Web space
A specific shared web space will be created.
This space will contain all the fundamental documents for the workshop.
Each confirmed attendee and trainer will have a password protected access.
Each attendee will download the files and will print his/her hardcopies to bring to the workshop. No hardcopies will be distributed during the workshop day.

Training material
All the documents will be shared through the specific web space.
Each trainer will prepare the pdf file of his lesson to distribute it to the attendees.

Exercitation
During the assisted exercitation it will be developed the preliminary planning and design of a city marina.
The development of the exercise will be conducted by the trainers with a strong interaction with the class.
Each attendee should carry his/her own material for writing, sketching, scaling and calculating.

The exercitation theme will be constituted by:
- Location and urban conditions data
- Main environmental facts
- Marine climate data
- Main results of the market assessment
- Main urbanism and general transportation facts

- Special questions from developer and public bodies

It will be asked:

- Best location and general layout of the marina with seaside and landside facilities

Classroom

The classroom seats will be organized depending the number of attendees. If possible, the best would be a sort of round table layout.

Laptop and projector will be available.

Marina Designer Training Program

EXERCITATION THEME

- Site map (wide area)
- Site map (location area)
- General urban conditions data
- Main environmental facts and data
- Wave climate data
- Main results of the market assessment
- Main urbanism and general transportation facts
- Special questions from developer and public bodies